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PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/825,931
	Filing Date	April 15, 2004
	First Named Inventor	Michael M. Thackeray et al.
	Art Unit	1753
	Examiner Name	Not yet assigned
Total Number of Pages in This Submission	Attorney Docket Number	ANL 268

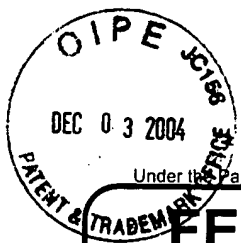
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Firm or Individual name	HARRY M. LEVY
Signature	
Date	11/29/04

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

Complete if Known

Application Number	10/825,931
Filing Date	April 15, 2004
First Named Inventor	Michael M. Thackeray
Examiner Name	Not assigned
Art Unit	1753
Attorney Docket No.	ANL 268

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☒ None☐ Deposit Account:Deposit Account Number
Deposit Account Name

05-1060

Emrich and Dithmar, LLC.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-20** =		X		=	
Independent Claims		-3** =		X		=	
Multiple Dependent						=	

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65			Surcharge - late filing fee or oath	
1052 50	2052 25			Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130			Non-English specification	
1812 2,520	1812 2,520			For filing a request for ex parte reexamination	
1804 920*	1804 920*			Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*			Requesting publication of SIR after Examiner action	
1251 110	2251 55			Extension for reply within first month	
1252 420	2252 210			Extension for reply within second month	
1253 950	2253 475			Extension for reply within third month	
1254 1,480	2254 740			Extension for reply within fourth month	
1255 2,010	2255 1,005			Extension for reply within fifth month	
1401 330	2401 165			Notice of Appeal	
1402 330	2402 165			Filing a brief in support of an appeal	
1403 290	2403 145			Request for oral hearing	
1451 1,510	1451 1,510			Petition to institute a public use proceeding	
1452 110	2452 55			Petition to revive - unavoidable	
1453 1,330	2453 665			Petition to revive - unintentional	
1501 1,330	2501 665			Utility issue fee (or reissue)	
1502 480	2502 240			Design issue fee	
1503 640	2503 320			Plant issue fee	
1460 130	1460 130			Petitions to the Commissioner	
1807 50	1807 50			Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180			Submission of Information Disclosure Stmt	
8021 40	8021 40			Recording each patent assignment per property (times number of properties)	
1809 770	2809 385			Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385			For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385			Request for Continued Examination (RCE)	
1802 900	1802 900			Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type)

HARRY M. LEVY

Registration No.
(Attorney/Agent)

24,248

(Complete if applicable)

Telephone 312-663-9800

Signature

Date

11/29/04

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PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/825,931
Filing Date	04/15/2004
First Named Inventor	Michael M. Thackeray et al.
Group Art Unit	1753
Examiner Name	
Attorney Docket Number	ANL 268

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GUMMOW, R.J. LILES, D.C. and THACKERAY M. M. , Lithium Extraction From Orthorhombic Lithium Manganese Oxide and the Phase Transformation to Spinel, Mat. Res. Bull., Vol 28 pp 1249-1256 (1993)	
		AMATUCCI, G.G., BLYR, A., SIGALA, C. ALFONSE, P. and TARASCON, J.M., Surface Treatments of Li(1+x)Mn(2-x)O(4) Spinel For Improved Elevated Temperature Performance, Solid State Ionics 104. 13-25 (1997)	
		CHO, J. KIM, G.B., LIM, H.S., KIM, C.S. and YOO, S.I., Improvement of Structural Stability on 55 °C Cycling by Sol-Gel Coating of LiCoO ₂ , Electrochem and Solid State Letters, 2 (12), 607 (1999)	
		CHO, JAEPHIL, KIM, YONG JEONG and PARK, BYUNGWOO, Novel LiCoO ₂ Cathode Material With Al ₂ O ₃ Coating For A Li Ion Cell, American Chemical Society, Chem. Mater. 2000. 12. 3788-3791	
		CHO, JAEPHIL, KIM, YONG JEONG, KIM, TAE-JOON, and PARK, BYUNGWOO, Zero Strain Intercalation Cathode For Rechargeable Li-Ion Cell, Angew, Chem. Int. Ed., 40 (18) 3367 (2001)	
		CHO, JAEPHIL, KIM, YONG JEONG, KIM, TAE-JOON, and PARK, BYUNGWOO, High-Performance ZrO ₂ -Coated LiNiO ₂ Cathode Material, Electrochemical and Solid State Letters. 4 (10) A159-A161 (2001)	
		CHO, JAEPHIL, KIM, YONG JEONG, KIM, TAE-JOON, and PARK, BYUNGWOO, The Effect of Al ₂ O ₃ Coating On the Cycle Life Performance in Thin-Film LiCoO ₂ Cathodes, Journal of the Electrochemical Society, 149 (10) A1337-A1341 (2002)	
		CHEN, ZHAOHUI and DAHN, J.R., Effect of a ZrO ₂ Coating on the Structure and Electrochemistry of Li _x CoO ₂ When Cycled to 4.5V, Electrochemical and Solid State Letters, 5 (10) A213-A216 (2002)	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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